

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An X-ray apparatus for intraoral imaging applications, said apparatus comprising a linkage mounted on a support structure, to which is connected an X-ray source for generating X-radiation and directing the same to a receiver instrument placed in a patient's mouth, said linkage comprising:

a first arm member, articulated to the support structure and adapted to be pivotable around a substantially vertical axis;

a second arm member, connected to ~~the~~ an end of the first arm member spaced from the support structure, said second arm member being ~~and~~ adapted to be pivotable around a substantially vertical axis at a first end and around a horizontal axis, at a second end; and

a third arm member, having an end connected to the ~~opposite~~ second end of the second arm member and adapted to be pivotable around a substantially horizontal axis, ~~the unsupported~~ an unconnected end of the ~~latter~~ third arm member having the X-ray source mounted thereon with an articulated joint, which allows pivoting of the X-ray source to various positions, ~~said X-ray apparatus having~~

said first arm member designed to be adjustable ~~regarding~~ in its length, wherein the first arm member comprises two telescopically fitted, ~~substantially rectangular~~ profiles of substantial rectangular cross section, an inner profile having its two opposite outside surfaces formed with recesses lengthwise of the inner profile, and with a T-slots provided on a bottom side of each of the recesses, and an outer profile having its inside surface formed with inward protrusions complementary to said recesses and provided with fastening through-holes for the passage of fastening elements from the outer profile's outside surface to the T-slots for locking said profiles in a desired relative position in a longitudinal direction.

Claim 2 (canceled)

Claim 3 (currently amended): An apparatus as set forth in claim 1, wherein the outer profile has ~~its~~ an outside surface provided with a lengthwise recess complementary to that present ~~in the inner profile's~~ an outside surface of the inner profile.

Claim 4 (currently amended): An apparatus as set forth in claim 3, wherein said recesses in the inner and outer profiles are provided with a cover element for making the inner and outer profiles' outside surfaces essentially flat.

Claim 5 (currently amended): An arm member of an x-ray apparatus, the arm member comprising:

- a. ~~a substantially rectangular~~ an inner profile of substantially rectangular cross section, wherein the inner profile includes a recess formed in a lengthwise direction along each of a set of opposite sides of the inner profile;
- b. ~~a substantially rectangular~~ an outer profile of substantially rectangular cross section telescopically fitted to the inner profile, wherein ~~an~~ inside surfaces of the outer profile ~~is~~ are formed with inward protrusions corresponding to each of the recesses of the inner profile;
- c. a set of fastening elements configured to extend through a set of fastening holes in an outer surface of the outer profile; and
- d. a set of T-slots configured on ~~a bottom sides of the recesses~~ of the inner profile, the set of T-slots configured to receive the set of fastening elements, thus locking the inner profile and the outer profile in a desired position, wherein the arm member is configured to couple an x-ray apparatus linkage to an x-ray source.